

RPMS iCare (BQI v1.1)

A Population Management Tool

(Released: April 2008)

What Is iCare?

iCare (BQI) is a Windows-based graphical user interface (GUI) component of the IHS Resource and Patient Management System (RPMS) software that presents diverse patient data in one user-friendly view. IHS initiated this population health care management project to provide an easy-to-use tool with multiple uses to a wide variety of providers.

The iCare software provides this by retrieving patient information from the various underlying components of the RPMS database and bringing it together under a single interface. There were four main end user needs that inspired the development of iCare:

1. An intuitive and integrated view (interface) into the diverse patient data elements of the RPMS database, and subsequent minimizing of “stovepiped” care management;
2. Proactive identification and management of different groups (populations) of patients who share user-defined characteristics;
3. Facilitating provider review of clinical quality of care prevention and treatment measures for their own patients to identify trends in care and increase awareness of the services that patients need; and
4. Enabling different views of traditional healthcare information from the perspectives of community, population and public health.

iCare provides IHS users the ability to view patient data in a “population-centric” way. User-defined patient panels are easily created, sorted and filtered in a variety of ways to form the core functionality of iCare.

Current Features

- Individual providers can easily create and manage patient lists (panels) using specific user-defined criteria. Panels can be shared with other users.
- “Auto-tagging” of patients with one or more clinical diagnoses based on nationally-defined definitions.

IHS iCare - (Untitled Panel) - Panel Definition

Definition | Layouts | Sharing | Preview | Auto Repopulate Options

***Panel Name:**

Panel Description:

Population Search Options:

☐ No Predefined Population Search - Add Patients manually

☐ My Patients

☐ Patients Assigned to

☒ Scheduled Appts *Date: 04/30/2008 to 05/07/2008 Select at least one code

☐ QMan Template

☐ RPMS Register

☐ Ad Hoc Search

☒ Apply Additional Filters? Select at least one filter

Filter Options: * indicates required field

Visit Date: (none) to (none) Min # of Visits within Date Range: 1

Visit Provider:

Age: greater than or equal to 50 YRS

Sex:

Panel:

Community:

Community Taxonomy:

Diagnosis: CVD Highest Risk
CVD Known
Hypertension

Panel creation and customization is easy in iCare

- Displays the patient adherence status for each national performance measures (GPRA and other national) in a patient list grid that can be sorted, filtered and exported into Excel.
- The “Flags” view makes users aware of patients with Abnormal Labs; Hospital Admissions; Emergency Room Visits; or Unanticipated Returns to the Emergency Room.
- Displays user-selected Health Summary Reminders in a patient list grid that can be sorted, filtered and exported into Excel.
- Aggregated views for both National Performance Measures and Reminders provide an overall trend analysis of a patient panel related to key clinical quality criteria.
- Users can customize panel layouts by selecting data elements and their order for display.

- Patient Record view displays details of most patient data, such as labs, medications, health factors, etc.
- RPMS Visit data can be displayed from any view by clicking on a date link

New iCare v1.1 Functionality

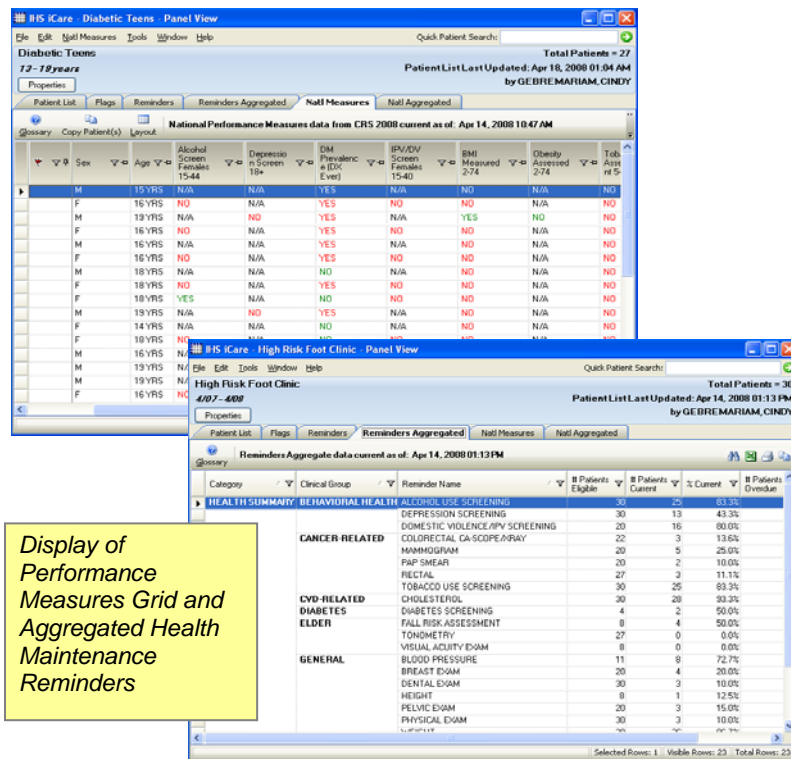
The development approach to iCare is iterative, or phased. The initial iCare release in May 2007 included much of the functionality that makes iCare unique. As use of iCare increased, users were encouraged to provide the development staff with feedback and recommendations for enhancements. Through this timely and insightful communication from the field, iCare continues to evolve into a valuable Health IT tool. The new functions in this release include:



For more information: www.ihs.gov/CIO/ca/iCare/index.asp
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- Individual Health Maintenance Reminders can now be displayed for an entire panel in the grid View, not just on an individual Patient Record. The Reminders grid can be sorted, filtered and customized by users to display any specific reminders they want to see.
- An Aggregated Health Maintenance Reminders view is additionally provided as a performance overview, similar to the Aggregated National Performance view. The Aggregate view provides the percent of eligible patients in the panel who are overdue or on schedule for each reminder.
- The Patient Record has expanded to display most Patient Care Component (PCC) data: Elder Care; Exams; Health Factors; Immunizations; Lab; Measurement; Medication; Patient Education; Procedures; Radiology; Skin Test. These views are located under the new PCC tab.
- The Referral Tab on the Patient Record displays data from the Referred Care Information System (RCIS).
- The Diagnostic Tag display on the Patient Record has been expanded to show additional data. Including a link to the visit(s) containing the specific data that "qualified" the patient for the tag.
- An existing case management function to enter PCC historical event data has been enabled.
- The Panel Definition Search options have been enhanced to include filters for the visit date range by minimum number of visits; past appointments; and Community Taxonomies.
- iCare automatically updates its national performance views to display the most recent version of Clinical Reporting System that the site has loaded on its server.



Server Requirements

RPMS Module	Minimum Version
VA FileMan	v22.0
VA Kernel	v8.0
VA FileMan (DI)	v22.0
VA Kernal (XU)	v8.0
BMXNet (BMX)	V2.0
IHS/VA Utilities (XB)	v3.0 through patch 11
Patient Information Management System (PIMS)	v5.3 through patch 1007

RPMS Module	Minimum Version
IHS Clinical Reporting (BGP)	v7.0 or higher
PCC Data Entry (APCD)	v2.0 through patch 9
PCC Health Summary (APCH)	v2.0 through patch 16
Q-Man (AMQQ)	v3.0 through patch 18
Taxonomy (ATX)	v5.1 through patch 9
HIV Management System (BKM)	v1 through patch 3
IHS Asthma Register (BAT)	v1.0

Client Requirements

Client PC	Minimum Version
Microsoft Windows (Any Windows OS that supports .NET 2.0 Framework)	Windows Vista, Windows XP SP2, Windows 2003 Server, Windows 2000 SP3+, Windows ME, Windows 98/98SE
Microsoft .NET Framework	V2.0
Suggested Client PC Hardware	Processor: Minimum: Pentium III 800MHz; Suggested: Pentium 4 2GHz+ Memory (RAM): Minimum: 512MB; Strongly Recommended: 1024MB+
Approximate Disk Space Requirements	iCare Application Footprint ~18MB .NET 2.0 Framework ~ 100MB (if not already installed via Windows Updates)

